

Check Ride Shows T-37 Fast, Light

Automation Cuts Weapon Test Cost





MAYLOCK.

#### NOW AVAILABLE A Complete Line of Self-Locking Nuts

made of \$286 Correction Berletont Steel Playing Presenties --- A285 has excellent values to 1200" F. Wytole .... Entouriet designs your up to 40% company in

Kodock extent high temperature salt-friding rate are precases conducts officers the same feebles actuarly and low

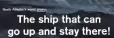
Managile Personal/29s .... Superturnelly law. Note any untilewherever non-magnetic nuteriols are required. Aveilability - Obtainable in throad sizes £4.40 flex 5/16":



clearly with Airship A.E.W. type bligger to 20 continuous devo the history of fibrid-

terrupted radar paired of the ner werens sed the largest sinkerns Development Line at Small West

finel vet nosted at the Pres World's pero" verbiller, over non whosed



Nevy reveals emeaing details of circhip all-weather endurance flight test On January 19th, the Novel Art

It is convincing proof of the meters-

enderance perced accordished in For try days, working as a tears.

we importance of the role the applying makes the modern lighter than air enflormble. Armed with the latest keeping type

THE PAYMAN COMPANY MAYINGS DISTRIBUTE AND THAT THEM HAS ANNIX INC. AMERICA IS, CALIFORNIA



## C.A.A. buys 23 new Raytheon "Flight-Tracker" Radars air inne congestion, manure positive air traffic controls—create "more sky to fly in"



polye axintion's biggmit problems air

patien, ablitudes to 72,000 feet.

RAYTHEON MANUFACTURING COMPANY





Change III Apr 3236-Stood Armel Jot Figure 35

tried Aplier Neighbor Comed, From

AVAILON WITH AND L. 1957



IRON FIREMAN MANUFACTURING COMPANY 2026 S. E. NINTH AVENUE, PORTLAND 2, OREGON

#### "MIL SPECS"

The industry has long established the Mil Spec as a measuring stick of performance and quality. At Narmer, we too feel at home with Mil Specs

and missiles scarches for and insists upon properties and performance values which on beyond Mil Spec-Narmaco offers effective support

to such programs.

There are very good reasons why this is so application, production, and quality control were "horn and releed" on the touch ones and ultimete real concepts! More and more Nermeo products are bring used every day in the surfreme and missile industry

These Narmon products qualify and exceed Mil Specs: Conolon 506, MIL-R-9399, Conolon 501, MIL-P-8013: Metibond 9321 system, MIL-A-5090B; and Metibond 300 has rending qualification under MIL-A-8431. In addition, a wide came of Narmen products meets rield "costoner specifications" established by nearly a scare of the leading sinforms and missile manufacturers.

NARMCO BESINS & COATINGS CO. Dept.13 600 Victoria Street, Costa Mass, California







## AVIATION CALENDAS

Apr 29-Treet Fight Tox Industrate Apr 29 May 2-10th Assert National Con-

May 1847-96 Age Seport Contocord for Tomoroo Division, Security Service

May 24 hour 2-12nd Parts to Show No. Beng 7.5-30th Arrest Homocourage and

July 343-24th Notices Some Control

Represent England Countries Sead of Duscon, Cov. Tribes See Francisco Cold ept, \$8-1517 Prez Depte. Securit a fertile becatt Contractor Familie Nex 14-Wespee System Management

IN SERVICE

DOCKBESTOS PRODUCTS CORPORATION GURE MEW HAVER A. CONNECTICUT

plane

PROVEN

the "Primer Max" file

1931

Dry. 77-Wooks Rophics Locker, Thread

AVAILON WEEK, April 1 1927



#### From Tokyo to Thule the Air Force meets the Solar Serviceman

SAS TREETING BOODING are coming over ton centers would have training pro-

C-122C. Dougles C-124C. Conver-C-1318 and the Social KC-67 tooler.

Information write Dept C-149, Solin Mo-

WATER BEREIT and basines described SOLAR

America. Aidney has und the 1st manylest maintenance and main



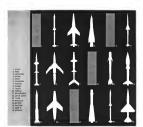
#### AMERICAN AIRLINES FLEET NOW 100% EQUIPPED WITH BENDIX IGNITION ANALYZERS!

more had shown this to be the most sufficiency Major sidney, military presion, steel within a short penad We would

to be a vital and almost hadoperaside economical analyses incollected for

Scintilla Division





## Pick a program... you'll find

AMF has missile experience you can use In program ofter program, including each of those above. AMF has played on a

playing an experient sale. A component surplier to some, a system electroner to others, AMF knows the missile business first-hand. . AMF contributions to the compan's missife accordant include test and check-out systems, beautises and lawerly. ing equipment, on-site mostle storage facilities, accessory power supplies. See for sourcelf why AMP's widely dispersified background plus its sweet-rise revisite mission ectivities add up to "expenience you can use",





STICAN MACHINE & FOUNDRY COMPANY

design with austena in mind





investment casting applications and give design engineers greater latitude in planning parts. A new facility for advanced assembly is now under construction at

One section of this new pixel well contain the equipment familiar to the Investment coving industry and in addition, couppeint recessive for sees scotching leberstower for mechanical testing, physical testing,

Corner year Assessed supposer today and sak hire to show you know you dealer exerter performance and reliability type the enverances

--- It's NEW from Asstenal

Down with Minneson in Mind !





## features "hush-flight" engine suspension by LORD

"The "bush-babt" of the Course 192 features exceptional dwire, Right freshle envise suseemon system aurocts all espite weight not existence

of Loup's ability to solve volention problems for the warrelf industry





state with the party of the last of the la STORM AND SHAREST SIZE OF STREET, SALES SIZE

The ramber continues to press, Today, regar than 10,000 stockbolders have contribertly invested in This right energies in an family of morbholders in

snother measurement of the execut that is assume If you risk the challengs of a moreov encounties Room 101-G, Tereso Agenda Copy, Duller, Texas

1995 1993 1993 1994 1996 \* Exploits assumently 2,001 and from following also served their states of following

Please said are considere desily of the Towns stone of expend opportunities for contine systems. I use NAME

IN PRODUCTIONS THE REST DEPORTMENTS AND IN MINISTER AND ADDRESS APPROPRIATED AND AT TEMPS

# at Temco GROWTH tells the story

Growth - in Tomor's freelly of stockholders, for country, prin the Treasu sacross story. traded on the New York Stock Exchange, the number

GROWTH IN STOCKHOLDERS

LORD MANUFACTURING COMPANY - IRFE, PA.



#### Cool Performance In A Hot Engine



Mape U. S. manufacrame of in iterate cogines have income in depart of contrast Wideling rags and are color congression of steadies with "diversion or cubic congression of steadies with "diversion or cubic the requirement of only's supermost performance. American Wideling in everyor to feet, week, labeling of stacking rags and "widelinest from "to 16". Why are come demonst Widelings I bedwein Produces Division to the Robert on page and composite where to performance of the contrast of the produce performance of the contrast of the contrast performance of the contrast of the contrast performance of the contrast American Contrast and the contrast performance of the contrast performance performance

AMERICAN WELDING

ANDREX

(licker)



Factor Xillay Corporation and Hulger Andreases, Inc., see pleased to encounce that, effective April 1, 1957, all Andrea equipment for industrial enlicytiphy will be distributed and survoired on the United States entheredy by Peder X Size Concention.

uters of Andres equipment to their, plently with users of Picker apparatus, the sales and technical facilities of the misonwide Paker engineering and service organization.

Institute case he discretel to one local Picker other.

Or wrise to Picker X-Rey Corporation, 25 South Eccodway, White Phints, N. Y.

Nicerco pos mo, there's a Fisher office communication near yes in fifth residents of makes and process facilities.

PICKER.. one stop for everything in industrial fluorescopy and radiography

THE RESIDENCE OF CHARGE SAFES SHE'S SHE OF CHARGE AND CONTRACT, CONTRACT, CONTRACT SAFE SAFES SAFE SAFES SAF



#### Note: to precision-minded men at McDONNELL

Tamely volves surpose the tightest requirements of manufacturers and the Argeot Facces on roof and selfney spread. One reason at current design is close conjunction wide year registers.

Another in the first than every mith displayer at Taster weeks an quality control.

Gase in polarity the minimated 4-way presented where the polarity the minimated 4-way presented where the polarity description of the presented to the polarity of the

presers, and a maque interp torque override Results; substantial invited of space and weight in aircraft—plus depredable performance unfor

in aircraft—plus dependable performance unfor execut condition—both at a real-way plus.

Recraftable 2 on sunstand on special recognition, we redicate a chance to sense you with your resid proaction valve problem. Every job set do n done

Now, MINING ON BUNNING ON

Up to 40% which reduction possible by the sair of attraction as called the Control of the control of attraction as called the Control of the control of attraction as called the Control of the attraction of the control of the attraction of the control of the con

WHAT ARE YOUR REQUIREMENTS:

MITTERS THAN SAVE

and HARD CHROME PLATE
TITAHIUM ALLOY/components
to your specifications

FIRST IN development, quality, delivery and service.



SHIRE, SOLET HAVE, METHER, DIESE ... AN TACTAIR

AVIATION WEEK

APRA 2, 1567

Section 400

MINEST IN ANY SECTION AND ANY

POTOTA IS.

MO MOTOR NO MONO

NOW YORK IN I Show, S. G. Nathanay Helloway, Park III. S. Nathanay Helloway, Park III. S. Nathanay J. O. William

A P Inch

New York 26-226 W. 42nd S., Poore (Ongoon 4-2006 Phylis LD 42232) Warbergion A. G. C.—Motorel Fress Skip, Pleases MARIENE S2414, Elipskip 7-663 Inn Branch 17-1195 Wart Said, M. Warren Mariene ARTH.

\*

Western Criscia	Les Angelos 171135 West Such St., Please MAdio Deline 1The Youghen Bidg., Phone: Rimoche 7-2	n 6 (56)					
Mari II Rath, 5 Salar I Rat	New Fronzessent Probes Face Industry  Pilobert subcurrentine, General Accounting Office disclose pl for independent interchapters						
BRUNK Alphon W Jersey New 19094 (NONECK) Suit A Jerle-In- Milliam Supry Jersey Body Bahar I, Suitable N Jesley Sine, Without Supress Cong Jersey Suitable Supress Cong Jersey	Lecal Lines Spitt, Form New Association						
Board Rooter J. E. Bale, Jr. Polity J. Kley Serbany, Miller	to USAA						
Directs O William Stand Goods	Artemation Cuts Armoment Test Time						
Given discuss. 1 1 Date. Fold Emission 5 1 Decirios  Crisci Date of Baltan	*Analysis by special committee ergs could be mode.	showed Wastinghause where i					
MARINE BART S. From MARINE BART S. February MARINE SELECT S. Burn States Sel. Journal Select	Fortion Some by Minife Use	Senets Group Opposes Minton). Opposition Services to Para Pa ICAO Monters Pull to Agree. Mailter course Stants Chall be St					
John William Hilliam J Coulde Hilliam J Coulde Holes Sales John S Course	Bordory Venc to Emphasize Browneds 22 VSAV Balanting Emphasis Consu. 25 Bandon Programs American Consultation of the Bandon Programs (A) Property Consultation (A) Programs (A) Bandon Bandon Terri From (A) Bandon Bandon Terri From (A)	Sharipan Codgly Kompolet Addise Troff;—Jensory 1959 FRANCIAL Months, Span Soles Wights USAS Contracts					
196 Selection	AVIONICI	Army Contracts					
or trans	Changes in Artestics Industry	Two Plants Shore Viscount					
NAME AND ADDRESS OF	1	MANAGIMENT					
ET Delle Ready 110, 100 for Horsen Are 2 200 form 140 ER fundami ER	Sighand Services for Septemen 100 New Addition Products	Tulning John Chatte Chalmens Australia to Bader C450, 5-664. Nhal: Misro Industry Charres Naghington Engelog					
190 Avenue Bay	CAN Section 15 APRIL 1	Name Sept					

CAR Remires on E 64 86-7 Cres

OURS copies of fire inset proceed

ANAZION WIDE \* ANEL 1, 1927 \* Yes 46, No. 12

MERCHANDER CONTROL CON

#### **FDITORIAL**

#### Good Air Force Appointments

strengest and still growing global exponsibilities. Sci. the Betals may in the 79th Contant for neither com-

wie-less a sangle californ facce been such a vital factor

Grand Wate his had favors dislocate senior as

The accressos of Mr. Douriss and General White to the too USAF ports is last a part of mother emjor game

of Posturon remical clusts that will ace for morthing changes in both USAF and the Secretary of Defense's anti-balancer . It course that Cautal Cute Krasser

last three rate chaels have eventually moved up to the

Major Shake-Ups Camina

his long tenare as clast of AMC, specim headed for a

Corcul LeMa's arrest at the Pentages periods of them long oversion. Another reason their will not

Two leadership of the U.S. Air Force has been of Undergovius faces H Donday to be receptory. H come the first USAF officer to serve as chargest of the

DNAY officer. He served in a consequenced affect to able of his civilian houl ometics surched commercial For the gost door years he has been the univers work.

but in the laudebt, make the onlike meether and the book effective work prompers to Loca USAF from lat of knotty rater-serves problems where Mr. Deedles to appreciate its position in these intersurvice affairs There is no doubt that USAF is setting a devoted and

He will be, as every USAF secretary of coupe should be a storne's nations of USAF, follows hard for the and defending it stoothy surgers the false prophets of

# Global Air Leader whose promoters need for beyond home as evoldent as:

There say also coorbings that the long ownship crops: handled, the transculous reports of the pushead in the schicks and presents at agenter the nation's defrose

will be any still senters of speculation. But it is centure



## Lightweight! But magnesium can really take punishment

rate \$3.5 in each is steel, \$2.5 in much as veller bear and 65% or graph as above own. But magnesses is stoom. The magnetizes wheel to the extrese show has to be light. weight of a two-ton behaupter in tangended from a sing-

Managing was selected because it has the necessary light or note to us the new canada, conserver, Medical,

YOU CAN DEPEND ON



# FENWAL'S THERMOSTATS NOW CIGARETTE SIZE

Some Unite Smoller Still

ARRIAND, MASS - Il you went

THE CALL IN CASE OF THE PARTY OF THE

tests. They say 6 with the same high

series; - 90°F to 560°F. Range of the

Malesta and Ministers, all w

Take Little More Roam Than Sugar Lump



securate moder the most severe opmountrace. Hermatic scaling is also fewertees. Wrote for unformation to Franci locareacted, 122 Pleasant Street, Ashland, Maurechausts.

... PRECISELY

#### WHO'S WHERE

In the Front Office John C. Verley, board channels. Exten

served Hered | McLea, who will con-Note E Seen, bord classes and Dak & Eider, product String-Ner, by A 3 Williams, period, Take So.

docum Corp. Widespire, N. )
Shaped Spirk, not pendent mortes
main America Addison for William Eray, was piccident and tree over William Artest Corp., Moreon He C M Boudus and E. W. Meen, stone Label H Clifton, our present sol-Andrew B. Pellers, tite periolest and Andrew B. Pallem, our parallel and general manager, Marvel-Schabler Products Decrease New Women Corn. Charges 15.

Dr. Nicholas J. Holf, porlares and co-produce head namely established Division of Honors and Elections

E. Breet, of Correct very paradient, Mag. William R. Foule, of the USA' Academ. orange Dr. Harry Schalters, of Bradies.

Changes

Event I Lang souther durity spots

## INDUSTRY ORSERVER

First state not free of the Atlas encountmental billions comile was Syciators Casyon acre San Dega. The helity is expendly designed for Nov's Chase Vausta FSU-3, sp idented version of the FSU-1 Con-

sales, will be powered by Posts & Whitney's J75 turbout causes rated at (AW Int. 14, p 23) New has resolted Pratt & Wiener + X72 W7 199 contest in the ITs. The engine also will be said to power production models of Martin's POM Soublaster and publish other New are aft now

Arranged to lead and tolerall from realizabilit statistic and in a contrader on NATO's believeskt felor conscition.

is a practical application of the STUR mater, a testing device ferrioped \*Anny his smeeted ante-mark defense system study ender Project Plate

\*Acres and New are governing extrapolations of the Larrence clerehaving was on the a meaner to be droughed or find from a beforester

Durette Navestre El Secundo Disision will set a sembolista record for the New or 1957 with delivered of more than 500 second scheduled. El Separate is producing the F4D all-worther lighter, the A4D lightweight about bouder and the A3D triu in correctional bouder. · Londo's Lodor 522 constituenced executes retrigents for new plotted 52 fleghts many cash all Sections Also get cagnes for assurables

➤ Result X-15 let VTOL along to one an engine that glash-to approximately

ANADON MIRK AND 1, 1857

minimum-rised devices. They remain



#### Flying the colors of a bright new season

New serse of success one to the nit, and forms out in axiation in the Airline posseagers will bku the new propertieser, the comfort of the aur-conditioned, pressured extent the smooth, hashed crosse Author operators, too, welcome this new addition to their floor. They see a fast 220 meh arroads, cooker less to less, fly and mointain Address someon by S. James Pleiffer, Especiate Devotor of Continue Relations.

THE FINEST AMERICANT FOR AMUNES CORPORATIONS AND MUTARY SERVICES

#### Information Declaration Debug Department is organizing a new Office of

 But the use of "Top Scott," "Scott" and "Confiden-Reject the Coolidge proposal that writers should be se-

#### Double Savings

Of the, the schownestee sul, \$175 million was The following day, Y. P. Gerats, souther for pro-duction programming, Office of the USAF Deputy, Charl

## Increase Pay, Saves Money

Rabb J. Coolery, connected changes and proleader ered to travered from 515 billion to 515 billion The committee charmon believes that, by matter Then, he says, the propers could devide whether

#### Washington Roundup -

The committee charmen sees Delene Scorcton When accepts the phelosophy of the Cookney plan, although the secretary has seed that he wou'll go along with costein of the recommendation

## Congressional Investigations

Nuclear Artes rick can The can book the restd of a New York-March state to Northeast regard . Sepert of ofegat sucception in or transportation by the Bruze Indicary Softmantter headed by Sen-Carl Accounties Board's independence from Whee-

#### Small Rusiness Protect Members of Bloom Small Engineer Committee are

such subined seeing in the large contractor finds it purita-able or convergent to make. Thus of course, places those

#### Korea Bilateral Prospects rae good for on early and succeeded carefu-

Thus, he saws, the services could decide whether percent, the U.S causin-Northwest Assistent to action their inches effectives, which would profit in a cartinous the U.S. and Kore. Let us Execut other news -Wednesday stall

## New Procurement Probes Face Industry

. Distribution of mosts. The release.

such that reality on delegar burners

Hebert subcommittee, General Accounting Office disclose plans for independent investigations. her served, that the revenuestal should

• Roy Edward Hobert (D. Le.), char · Gracial Accounting Office's L. 1 Bowen shed of Chris Delines Acsecult and electronics fields, during

No Windson methodor rosts, is reall in profit, in

contractes of the whonesetters Especia told Assympter Wars, that studies of defence plants Person said. · Efficiency of contractor correctors.

. Rental policies on generalization

Estated Softes. The subconnector common unto respect because without

· Employment of network substance and GAO Investigation Office a proportion of defeat pay (AW March 25 p. 25) Person the

the closed contracts. Force and system and the Generalized Open The first port of the subgrounding of

Hobert Questionspire

company extraorder, substitute Yes-briren crossdham in tund . Salary and distant of all officials over Value and true of environment owned

tracts The other 15 ferry are · Establish Eurine and Airelane Com- Alisan Dyvene, General Meters Workt Learnestical District

swindow cost everyonings, exchand. \*Leconing Devision, Acca. ing Corp.

\* Statishaker Parkert Corp.

The CAO swintightees will from . Willia Motor Corp.



Bell Completes Ronger for President Eisenhower the of our field of 3 Event belongsty both for Freedorf Extendence's see or shown being fight noted at Ft. Worth, Tox. Decimated

Research Will Be Emphasized, Br Clark Wite.

Ministry of Supply Accents Air Criticism

that the muchy of relition contracts cytable, fency and, but he declared to Dr. Chillood C. Farcos, new character

tics will be such completion of the Devold A Quades, peaced Security

we with principal in scientific and industrial circles (AW Mee 4, p. 36).

Newbury Responds to Critics Noview's statements of policy dol-

WSEG was established in 1948 to · large that mount promise on made employs to the bear and unched · Asset that military equipment a sh of sound deagn with respect to peoderilate educate mobiles our of The effort to thus line had been . Recommend antipament of specific

· Inner that adoptate attention be

NATO Spending Plans PercoNALIO and served \$650 and and vall by speed or construction of additional statistic and for Stancier of pagers populs though 1964. These records recied; alsoft combined on

shorts of acopens disclerated Notice, in he only determent,

Max suprent of he statements Indees and sparsely suffered under

Line letter at the last matter in USAF Reliability Emphasis Grows Seats Reduce Cald - Econhece Versioned 'Borderline' which substitute factors now by street

prince sale of the meon. He also con · Exhaustry testing of protest greeder Accounts determination of "coors

radiade a number of clumous to prior. Supile salety research, talk the scales-

alded. Shen a research secretal in We in the Office of the Assistant

Scinetists' Coecure

whiches and a "because "that hadnot been nourble to set in borner unto country. And use of the use

man arthur of dollars to a seady We count offeel to have a male "Ande from rests, these threes must

Douglas Proposes Fleet Supply Aircraft

room utility arounds transport for around proked is 46,430 to with a catepath toleral distance of 225 ft.

the agent to that of the 15th of fourth The Douglo securit his been under shifth shares on the 1986A, the ver-The 1966A has a wear near croded has they for been facered enploted by spelon, a fasture not advected on the 1940. The homesond strickets a run rule for him sould be poyoud by two Pott 6. complicated burb lift techniques in

The 1906A will be compared with man of 58 toops by soluting treep

Denelis says 12 to 15 of the 1906As. Volume of the engo compertured is The coup floor is donoted to hold a all trade of 25 000 ft. The core core. The 19665 is also designed to some 1906A but his not set demond the BalleBaros 519 Dust techniques from

mark 6 was assess a link trathering mornible with one 1600 ft at new word and course at sellon which the commany and color

· Eas expise acceptability through a Chatrical states for such senior or chose the extend. The harden

Landing Goor Ship

mand arm by a hand surface company Attricing on the sone wares and

is 1,800 rentical index visitoes per had for a broad fear trace of 2,400

Cerrier Ossovines

#### British Strike Causes the ware range, trouppy our be ra-Airline Delivery Delay tal Bedrama and de Havillani Comets

Doort country costs in cents per Podymener of the 7906A for sweeth and curve storts of Bratis In opentions as supreposed fields, lending weight is \$5,570 to and calls

Larley Siddiller rance, 74% of the Koli Rever seports 11 500 workers

T-37A Engine Fixed All Green TSTA troups primary in the to four visits in a result of a Fagurous Cop 155F paraded the e wither triange a persheterar







# Defense Changes Promote White, Douglas

Wakington-November of Cos. Believine in April 25, will be one. Wathagton at 1955, was received by Nathan F. Tenning in the first Air. moded in USAP Secretar by limes by Fune sharper of the load Chack of Deaths, now Unite Secretary of the rated the Scoate to confirm USAF Sec In the shaffle of too Defense Dearth Can Twong, At Foot civel at Scotte to approve Adm Admigh A and many language life. 1971, will record Build up a second two-car term to

USAF Clust of Staff would have to ngton in Assistant Scoretin of De-

## Martin, Ryan Sales Rise, Profits Fall

somegy of \$84,771,134 on odes of \$547,587,342 Another Son, Republic Areston Com., which went through a 16-work willion wasy then half of it in gooded Matte President George M. Braker • budgion is the 1985 ferm of \$1. of Life is a property of the life of the

collect or research with \$17 miles.

AT and KOA at deane mounty on

Beyelde Anatom's net profits to

sine somewhat denny 7917 because strendent in delivery schedules of movement (SCK-) production by a year \$600,722 or opposed with \$625.515 Gless I. Martin's total promotivate for pleat, proports, and equipment or Bernoghs Corp., recents of \$272, \$79,246, for a gues of \$12,476,794 ever

Vertal secreted net manage of 53,-417,565 on min of 596,825,697 for Minneapolis-Honeywell Drops Boston Transfer Backley or of Day 31 year \$117 and. The action had gives pay to comen

Australia to Order C-130. F-104. Autobas stress of spee parts and

nent, states with the Lockless C 111 RAAF espects a relatively carls deliver of a small number of 7-104 in the two angleses, and also is toom

#### to sell the Electra Turbopoop transport to Taxone Ecopies Arranga In casts of strang British accurate

F. It algebre more for our without Letters.

"The policy is but with U.S. Supersecurity will be applied to expure out 
for the policy of the company of the 
security of the company of the 
security of 
security 
security of 
security of 
security 
secu

sachdage training in the United Dates, these of energy designs buttons to the control of the sach of t



VAUSE LEADERS possible includes two freps, which can be done up integral range (top), herey range, moved shoots, from tradibed load, ason planch mountal, words and unable policie towards and high density tops or crois actions; in 20 high search addition on the



RUPSE TRANSPORT for homogeneous or sufficient shell reflects has \$2 manhodeship where

AVANCES WEEK AND 1. HER



## DHC-4 Combines DC-3 Load With STOL

Who map of substream when the contract as the

production." Wight R1520's used No as an obsence point region next. Bonailly on all notables at his temp-



WEG STAM TASE, with from radient consist very and upways budge are noteworthy drops elementristics of new Coulous. Every familiage injust a planned for assumence use of informs for views of faciling valueling passengers, bellet suggs and velocies. Beaulie U. S. deer widths, incline native are researed for Coulous Assum.

IATION WOOL AND IL 1957

DHC-4 Caribon	Specifications
Hispan (a Cerin Lee of Epicola) Hispan Hispan Hispan Steamed Tail Spin Spin Spin Spin Spin Spin Spin Spin	512 ag 2 3 37 a 150 ag 8 180 ag 2 27 h 5 a
WEST	ers
Supty Weight lades fired and Oil Sri 500 ad. (With Ecotrus) For Clark Moschest forbild for 500 on (Mosped Paughter) Jerop Gerr Weight Jerop Gerr Weight Jerop Gerr Weight	2,571 to 140 to 6,301 to
	10 M L 100 D

Talend Byteng of 2 700 rgm of Sen Level, Max. Continuous Ratios, 1 200 bits.

Server Celling, Two Europe 20,000 0

239 Statute MS ...... plant molition mint otherwise mend \*Probad-supp data include these field allowances climb from sea level to crose

a Econolidad. Acrost vehicle comble of cury 22 leton · Military or communical curve place with periods swring from \$ 000 lb · Executive or suffixey stall transport

his seller to meed leading Lawbor

#### workers took at will be based good Business Amphibian To Use Ducted Fan

emb writer sweetching desired rece

head to a target 5,000 miles from its mobile launching platform, the Smark is a stoom discovery





with Northron's resisce understanding of automal defense hadget freetacters. These, and other weapon systems designed and produced by Northree, are exemples of the continued one

#### PARSONS is performing Nuclear Engineering Projects



#### F-89 Radar Not Locked on DC-7 In Collision, CAB Hearing Reveals

Les Aug-les-Nuthrop F-HI Szebound The Siffy sade was a name . DOTB on a took of Mill day no matter Board bearings here into the

eithers and of the Persons Leaves Rich. \*Enamentes of working by Con-structions group institutions showed. \*F65 enaloged in first, common. \*
 \*\*be DCTE selected structural federar sens shell curve on six full offer no-winters of its 350 kt. TAS at request. stated, when the DCT pilets store in reconsolible expet in the or as . Scenara reference care street, the DCTR was leading edge between statem 100 and 611 shows of 51 ft section of transport wing which may rood croush condition to vital vokel stock ster was devadabled back to · Impact are prostery should beauty. printed were above possible 1857 berkel trans understan the F-99 fields

the best telling of the collision · Clear representation of the colleges lection over the ground was obtained On the science shad Northean Test Toolog observation shipmen from

fight time, holds a commercial pilet's check flatt pattern consisted of a

E-89 Nuclear Canal-Site Nothern F-17 fermion rates and nockes warbood six to our mixeds or my

ground impact, the please appeared to sgen to the purpor seteroral heading. Surber and that it was natural for Further substantisting the theory of

#### **News Digest**

simbles

fight was the feet for the arpleas.

shift was the last for the arptone, which was built for Contacutal Ag

Grand Blothe will wreds To testendady engines for Vestal's II-21 belieseler program under 52 radium USW commer Two Title will be terred on H 21 to conhecements for our

100 curch. Mayor order to for in to hindrag post.

First Lacouse Missis come of you relate arthogeneous revolute neuro ant for supplier shotes and he finale power for North America's

#### AIR TRANSPORT

## Local Lines Split, Form New Association

Eastern, western carriers divide on basic policy; association of local and territorial sirlines formed

Waterston-The deep bornet by Dendert rejuct rackets West

its newbooking in the conference Character of the new resociation is

Why the Sells . Connected Law Bill Western car. ment programs can be inspected as some According to Kirch Kahle, Control should from the conference." He said A Counted Codes BEL Source mentions are

to the Coptal Gains Bill and Stat • Rate of return. Mint western current

> soften areas envered by the Art Trans-Nobel was asset to \$8 the pos-Allegherr spontes a fact of fee

too ficited by Nivao is November of

plen the six religion nethings then groups decide to june A full turns co-

Unserably of opens on the virtous rendered that recommend onthication for

streethering of the roots structure is in figureing needed and on signals we of most modern racraft of self-seller

rathers have also ordered the F.2 with some roots expensioned, it subnot be terrous herndations, with DC is

program Salared and southern sidens also with an all DC2 coverfees over the aspect.

date possits on all fights between the

Parasse of the receiving, the Sounts

Bernana Arknes is element that Kingdom and the agoing of the record

charmon, told Pichers that the

colleges of a pergray of composent

In Ford Eastman

publish on his stand concesses the formalists a poles pengane sense his GMi hormer on the Rate of Robert der Mrr 15. Capital gross horrings also

Senate Group Voices Opposition

To Netherlands Bilateral Pact

Committee channels Sen. Warren C. Mirrason (D Web.) and his Tipton and the polices also feel that case In the letter, Eurobayer and sales over the Netherlands' assured support return for \$1.55 pets Housesstembers of the Coll Accounter man summer its place to interestional

to extreme of KLACs Aduate reals

to New York on by Houston and Lou-

nations; in pitalit, beautifule cone and TWA a set Debte test-had at but work's most with the CSR server as assendant ing that the U S, policy toward the

The Secreta commentacia estrent in

rathers after a sended. Otherwise, int parotistans. In addition it would

The signing of the U 8 Mexicos blidged on Month 7 also beweekt

Cohana Orders 797s

Cost of the Booing order is \$12

leaved. Asserte Fled a meter America, Sepush its counsel Hon-

The CAB and it is doubtful whether a decrease say he reached on nontrop

. Worken Addings between Lee Are the periodical

. Enters As Laws between New Or • Do Attender World become for Citily two Mouteen nakenes are pure twee Beller and Clarities with the Mooote Communications

#### Opposition Increases To CAB Fare Plan

C Educal Laures, Nurture of



Boeing Sets Suppressor Flight Tests fy call, the summer with molitor of a

Is addition to the few supposition

. Supporting start leading oder will be Turbecompensors will be installed to

. Fed desectors will be recovered contact speci alternative development belood frency appearing on the new

Corestoned someones, includes Sound extrestion were recorded at

DOTESMENTAL usual supernor inhelical on number and ension of Bossel's 727 made

PERSONAL PROPERTY OF BANKS 200

here jet insequent. Phose will be foliog with new type suppresse on each engine by each

memer. Horse she a badding production bug superconstances to

#### ICAO Members Fail to Agree On Runway Length Requirements

ton Consenter member has field samor hughs to hardle at transports recitive exact technics value of the

Easter, a Dougles Awardt officed act.

Mediterranean Needs Cited in ICAO Study Meeting As november declare and wreter in the European Meditor

He very wer school by Consus.



Resort Super Constellation delegand in May Fact other from how selected 20 of the complementary competities to concer the CAE conclud-

ricat network of norinties and traffic cretal facilities and sowner. The is

**Boute Deviation Cited** In Medicine Box Creek Webington-Dovator from the

be tompast in fight and the mouth the flight outh ambusted that other a wifficul resisson.

have form at such a low altitude even

#### use the cuckpt by mean of the SHORTLINES

PAmerican Aldines has added that PROTECT OFFICE ACTOR COO. WIT Church and Detrot to Charge and

London on April 3 Pieses replace

Change Helespter Asserts his adodelot house resonant ditte hobrakes around for new 56.7 crition

#### AIRLINE OBSERVER

manipus of trafeso-powered transport performance on relation to via results

ing for collective or top by all governments whose sedmen for the Athentic to P. Roda-Fourie Adequation handed by Managery Deporter Same Program in

visition U.S. discussed already manufactures in an intentified encaying to sell the 18,600 lb. firest RA 29 Avon and the 15,000 lb. shoot Convey PAmerica Aslam his squal a contact with the Eintenas Division of Borner 727 Earlier arrumont with Econ Divence of ACV Industries (AW lich A or affile as consided by moduli respect become military con-

have power to certificate elificación common carner and contract operations and would have conferred to not made for risking species in Texas Children nedway the hill below second.

names Afrair states James T. Pale and they technical staffs. The Costs

the Agreet Uses Asso in a racce to sub-enhance as second of Hawte's 1) cent by on each gallon of neutron tac! The group is enjoy adoption ed handling focus to flow of the try

 Covery customs has completed enhance of lander see proposals for the SSS or transport tree Bendy, Clearland December and Measure.



"No doubt about it, Jack... the safest engine is a clean engine... and there's no cleaner engine than a Gulf-lubricated engine!"

Use new Gulfrette Series D. the engine elean and playing it safe. Not only do Gulf's sale labrante engages That server increased periods between Oall's Agreed Eague Od in the freed





the world's finest aviation products



noted become of ACI's solitory go

\* Ensen Air Froght Cosp. cornel 51

184,000 botos, trop in 1995, un firm

\*Soboro Behrin World Address has

\* Trees America African is incompa-19der 12 may damped by forced bend-

Piving Time Line has declared seem \* Unded Arr Lines has prized Calaborrie

of Viccount sizes of any operation

# by Capt. R. C. Robson

How to Hire a Pilot A recent letter to the effect (AW Morch 11 o. 140) from an uncounted

must the arms refine in the same mathem cay. No adver to this print is to much orner what howeved and well arrow the every. They are

Good Way to Nice Once upon a true you got sound! head by a chief pales. You stated

tox auditorizes, but a man house tolk and he word you as I have from the results this was a prote good was to here. But not my more million didlike money of annihing. Only, tought in the house recode seven who have the power to bee. They can only communed just as you said Here are some cases of which I have knowledge. The son of the name Michael Michael, it cultures of World Wor II and Known country. Dieses a former CAA resilveng my expenser, 10,000 hours flow time and former

corners of a large supert. Each of these same samply walled server he delet to justify they occupations the people in cluster of higher have donn't matter that they also wend not more released much. If the hour Do see large which make of metacorde has the goe shift so the left

Igot to see the record stands and if e's my employ the refuse many has a door. And even them it will take you several your to set over the

ANATION WEEK And I. HEEP





Every aircraft

iob

fastening jo

one recess

by American!

#### the name is Torq-Set

ment of the size of producer for a "Baser"

I as called a large and a large an

The biggest news

4 TORGRET can be present defects, at above

American

AMERICAN SCREW CO. - WILLINANTIS, GONN
AMERICAN P. - CROSS, II - Davin, Michiga
Was Cast Siz Office and Washing to Laborate I Colone, 19 W when for the Tay Spinner Colone, 19 Colone, 19 W when for the Tay Spinner Colone, 19 Colone, 19 W when for the Tay Spinner Colone, 19 Colone, 19 W

#### Airline Traffic - January 1957

	Assess	Reveree Percentary (Riferal (Dist)	Level Factor For East	0 t met	Espress	Profight	termine termine ten etten	Per Care Servation Servation Ten-Att
POLICE TRACK								
Control	137,314	17,493	22.5	20,30	121,044	311,216	7, (34, 242	
Continued	49.130	29,414	10.1	207,414 29.743	134.01	10,00 17,00	M. 196.796	11.5
		111,891		894,284	197,494	244,500	10,817,004	22 1
					18,300			
Harbreak	12,413	44,873	64.54	306,801	296 345	65,216		
Same World Striked	100,263 486,483	Sea Fee	21.	1,000,016	799,815	1,811,939	TO 10 415	10.7
		\$64, gle 21, 236	40.5	1,000,400	79,404	6,177,334	8,488,722	113
METERS TANK	100.584	31,330	40.8	130,502	140,000	142,316	1,411,710	14.5
America.	15.00	1.07	45.0	12.80	61	24.00	5.89 Hr	
Curitares Alleria		1,62		1,304				
						47,861 77,471		
Federa School	22 413	11, 679 4, 345	71 14	72,130	6.70		2,127,121	8.9
	5.112	15,376	E 3	142,388	22,112	20, 443	3,000,000	91
								56.3
Latin America	100,000	101.307	43.3	3KT 000		3,573,374		
Panegra Trace Woods	11,464	14.040	44.7	27 Gas 773 161		255,147 710,000	1, 140, 121 6,111, 201	8 6
Defed	6.600	16,897	4 1	81,440		25,528	1,710,400	21 8
LOCAL DIFFER								
Control <sup>a</sup>								
Provide Sets Control	14,471	1.294	21	18,390	4.4%	47,160	312,189	
	19,334				11,412	12.90	177,124	20 0
		5.829 7.330		15.72	37,413		200,1114	20.0
Seathwest Seem Teams	20, Eat							
West Court	15 500	9,554	27.74	12, ess 1,120	1,830	21,431		24.34
							29,000	
MATERIAL								
Tone Beatle'	19,079	4,203	11.3	3,429		15,004	191,886	# +
54400 LD41								
						486.271	105.371	70.6
						1,01,272	2,172,384	
Zhi	4,579	16,507	43 43	73,430	12,308	4,493,169	4,445,479	74.45
		14.7						
Les Angeles Sirways								
Here York Adventor	2,500	26	33 0	1,1130	999	445	7,643	39.7
ALASEAN Aresten Aleksen	2.00	1.00						
Alesta Cond	2,60	1,041	24	31,640		130-144		
Allesta Cond Confess	2,674	19	22.3	3,591		3.043	36,740	11.9
	2.27	120	0.3	3,000		1,799	10,000	41

Compiled to ATALOGO WILE from airbin reports in the Grid Agreement stood.

ATALOGO WILE, April 1, 1997

I stall incretered in but



Aniatten Week Check Ride:

## Evaluation Shows T-37A Is Fast, Simple,



Charles in a bit oil intends that Names and Sale agreement on positional on an art rick, control reper recognise was light networked are positional on studies of, control returns above thereby polesial. Risks contacts one on found of the auditorities, but are within reach of the student

By Robert L Strafeld

First Group For a first hand evolution of the Ficht choic by Assenge West

· Good single-engage characteristics AMADON WITE AND IL 1907

## AERONAUTICAL ENGINEERING





## Compact

were codest, with little or on him Throat solution device, developed by Procted task of the new suples-

seed (10%) Eagmen are modeled

4317 and 54-2735. Latter was the 1464 the scalenc Accompanying the point ISAF finon side broade seeing in

Student couldness builder. With in.

Let trove selle detents one encluded pa-

selv, not management and Eight makes counce radicates formally, and clock retra. Two D.I. sutomotic pressure-breeth

Postened on the left, on student's

er on steter witch and bold, or \$10



## FIRST! Ministurized Electrical

SUBSTATION Transfers all circuits from Ground Power to Airborne Power

In the vital tob of pre-fight check-off on the U.S.A.F. Northrop moves and county shock off operations seems moved which make ade record and commune companies. The particles we enables extensity, electrical substation (patent pending) eliminating all relays, coils, cores, mistractic areastures and vacuum tribes, reducion the senitht from several branded pounds to 25 rounds. No none a received after switching corum elementees lead on





rand by botton on stalk, and shake conepy allows excellent reliability during too and fleth! Before takend there are two safety max was applied. Against was accordable. The medical season of since. Hands of

The TATA went of smoothly of we Poshity symmed success.

At 1,000 ft, pallow 92% poner

-mineson role soule orgon suspend-sus phread. At 4,000 ft. pather low Chiefs to 15 000 ft and about 15

At 10,000 Bt pulling 100% gave CAS seeling of 105 Lt for TAS of 165 Deeng verted clean to 15,000 dr. Both left and right organic were cut at low alternation. With \$255 power on

## Jet Training

Wise, Transforms T.MA projuges and independent of command code, Project Palos, embraces recombine of 19 too civilias distraction from the nature con-First shar of 20 students, of which 14 me was included here, will set 190 to infor T.17A. The will later be provid to 100-116 for at the contrast schools. These prints will take blocked stones on the pt, results until November, dusing which It is not the state of the desired and securing the state for the basis of the T. 174. Leckhool WillA at trainer begins sophising North American TE29; of smallexpect bear about. In turn, the E.HA will be reduced by the reservoir Northern The Poton show cell for 150 he to the E18 deferred by resignment to



"Now maybe you'll send for the man from Fafnir"



ends on tuder's tets. The strengt it over. Mashe ar can help you

FAFNIR AIRCRAFT BEARINGS











was fell into dead carries only shabile. near down at 190 kJ and full first at

Distil state tests are completed C Seus Chernstenstine Cenna controls T-37A's spin change

same of T VTA at this albitude socious or settlend denors are accommoded

count note of arpines, resulting in

speed of 225 bt 185 was obtained for kinds. With its warps fell of feel the If deference extends 100 lb , delarge T V/A was upon from an abittude of 20,000 it. Both curves were effect

With the fell down elevator, the all



Mester Attitude Reference Spatiers



MARG PEATURES. DETERMINE AMONTONS -- Endown Laur Informal Egitting above seden policy billinding given street DESCRIPTION AND ADDRESS - PROPERTY

NUCTOR OFFICE - Descript mounted binds underly can also serve as musics reference for other systems requiring an occurred switzed

AVAILON WEEK, April 3, 1967

If soonery procedure is not executed

seesen has deve, everall deepped to

Linding its prich out was made with





# VICKERS HYDRAULICS



## for Guided Missiles As the regular-expension mode program progresses, more VICKERS INCORPORATED

Hydraulic will be used to adventage. Vicken for mineter ired components that can be attenued into system peckone with minimum taking . . . mentholding companients sives so apportunity for inchess. These "prokesped" and weight easy installation and servicing one other months observed field to book with the record office.

Employeting Course Terroes, Othfornia regional St. St. of Sills day - Artistics Super P. C. See 3 2 - Sept a 1 Mer Studen 200 th Sun Regit - Michigan L 4 C. 464 7 Mark State - Architect Acres Section State Springs Facilities Section 201 Section 5 Section Section State Springs 15 January March 201 Section 5 SECTION | SECTION 1 SECTION 1 Fall Rape were dropped at 175 flooties still set at 62%. Touch

Speed on East approach drapped to 100 ht 55 over the fence and about 70 M. at beachdoan. The T-37A was broad off at 1,700 ft. interaction. Applies communication is via URR as most USAF equipment

suppolate health and dramer re-

nest, someting to USAP techniques. recover and ARC True-15D Own

Pilots have endocted department

to weakl of oxidencial world men Exmember O for Develope, Develope for Departubility AWARDN WITE And I THE





STARFIGHTER FLYING OVERHEAD, DON'T BOTHER TO LOOK FOR IT. IF, AS YOU READ THIS, YOU SHOULD HEAR A LOCKHEED F-104 THIS WORLO'S FASTEST JET WILL BE OUT OF SIGHT BEFORE CAN FINISH READING THESE FEW WORDS.

LOCKHEED means leadership 111111

LOCKHEEO GALIFORNIA BIVISIONI Sectado, Sescrifed, Meyerel and Po-JET TRANSCES - LUXUET ASELIKES - FROPER TRANSCORTS - AIRBOS

#### INSTRUMENTATION ENGINEERS

ARRESTS TRANSFEREN

DIFFERENTIAL PRINCES

secretarion & custod





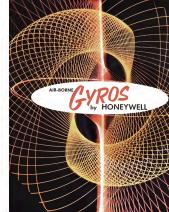
West German Sea Hawks Similar Sin Heral Mil. 6 oxist mellings at Wed Comme need on ten. German outsid 65 Sin Herin with opens and purposent which it mass than Sid selline. Outs will bely American Wickersh, which we have by the Ed procedures, Gennes, who

ran expected to order 16 Triery Gennet entrealments records for STE selling Corne also is working on bottor as IF I hel tetring 500 pd. o cored The tond to both corner is taken red voluce wright. Comm could, if account model the T.77a mile au-

Theil lookers or another unbloom be

For USAF Test Center

contorned in 25, and Besty, Nev.



# Honeywell FOR EVERY

**Gyros** AIR-BORNE JOB

Estranety small and lighthrought, one model MG is so super sensitive, yet rigged, that it can

All topether, Higherwell Aero's production caused is at more than 3,000 perce per month-



FLOATED GYROS-

5. Ministry Rets Gyro, GG/A 1. HIG-1 Gyrs, GG!



Species Country Ventical Gera, GG10









New MIS (Ministory Integrating Good).



New Super HMG-8 Gyrs, SSS2 --











#### PRECISION PERFORMANCE DEMANDS PRECISION CONTROL



Honeywell Aeronautical Division



## Electra Nacelle Test Flown



















HOW CAN YOU BREAK THROUGH YOUR

## PERSONAL BARRIER?

#### PRODUCTION









# Automation Cuts Armament Test Time

By Svort Clark one ordered by the Air PercoBosco: ploted way difficult to find and co unione Therie Con's Ar Ara . Howard maketics country Store ten is cover a selection from a manerity. • Burnough modern makes. Tests now Me Arm produces the Arm 15 for trouble-decoung an annocomposite or

addition to certain the tree ray of ighter, tall arrangest for the Navy. \*Incorrect Meet officions. 12ch. Desgles ASD otherk bomber, and gold golde test personnel personally are some the job skip nature of production

 Birdund outs Two hour nations some Cut in Testing Times



hardow trees of matrix, moving . Cost and automobile todays



surrous we now then seemed by without of treatment windows. It accomplished labor spring of 90%. Court charles of

Automotic turns-rates test set for

Age for different smooth barn Estroop who studed the not five sets of box component and five sets problems under the decrees of H. A.

As Arm officials replaced early on the . \* Automotic mobiled smit text set for

As interested committee, comwell wroten of narrectus, such as

. Writing hornous checkoet at the sascon

modified or disclosed to the neight that Machines in Use

mps), accounts short and drawner test rag of max model electronic events.

man budge. The abs was designed and desalvood base + Automotic DCR and not for testing

Germans Order Sycamores First of 50 Hugod Security behangton colored by the West German Michiga of Defrore

 Astoroffic colfe baryers checker, is chocks a second. The east registers the

with a digital conduct at the term-

 Automatic function tester The rea-Automatic potostiametry testes. Al.

rad crospol the maders to ender the

strength and clustered most Labor time collection is 90%. The method

The subtree services recognition

production... FLECTRONIC CONTROLS

> FOR AMERIATY AND WHILE OR Today some of the tourhest Thurspoon's took force of engineers. For example: Thanyours has desired and is manufacturing control subrevision and components for already and missiles. Theremore also to a leader in development and production

> > microwave consponents.



Theregon recommon skills and facilities—from denses through Thomsen" in the field of electrosign. ELECTRONICS DIVISION

Thomason Products, Inc.

APPARION WEEK ANY IL 1927

had high men production quantities to By Kellogg Firm

from M. W. Refers Co. Kill, a Dr S W Breedt, dvacou er rager co- and creek up with a complete and first still in such to be down resembletes, and not of the empty of must so that relate the sensited against over the sent 5 to 10 years to send as most, so that relation remains again over the east 5 to 10 years to some a next such to delle suiting madients approaches parameters of that was

Kel-F Process Sold Jones City, N. J.-Miracott Moving

Army Contracts for

Instrument Training · Bitman Avistree Co., Higher Piglet · Certal Assess Asses There

Two Contracts Awarded for Sidewinder Cutdoner Next Orderers Test States at

AVAILON WEEK, April 1, 1837



when we can take a hell of metrors of the Manufacturing Co. manhoust the

Instruments and controls cell for a new concest in notherwood. They



#### MISSILE ENGINEERING



#### Plastics Stand Heat, Grow in Missile Use Er lover Store prison deven. Residented plantes are: in associated expensive expentent dur-

has struct in the result and radiat industry him described here at the ca-

berheelt, Inch Guidhour and Harry Eccitic, who accepted the more printed agency, complex, names with Adults to behave complex conficu red (in generator, and informatic oro inform relatively incommunally. The

. High physicilatesprent man moles-720 (800) and high-500 to

. Wide negatify to selection and











ESPAPORESO chats here for social matter. PLASTIC racking for reclar motor exchanges

heads over predicted place drusters of appropriately 15 sc.. In addition

Other reduces analogues stills steas where the plante comes or conthat with the explosive these must be . Histogramb plante modern fix as complete chemical communitation of the . Fisting step seed for thermal masis non was fabricated by viceium bear Incaletor to greatest metal free best of hugana solid prayellast in model. money. This and new subserted to are, real thursday during Falgrabet for · I supply to protect metal messic extorses how but or release. The inendence was used in two or to-sir

codet some deeper assentice of a

to prevalence a thermal hories, they

· End supports for reclass mores askel grapellant charges of complex conface These supports have been fabric. Enhoustang techniques reclude Acades someting racket. Skin and eed closury closued att made from



REINFORCED plants should according for

A The halfs for \$5.7() and The next recents belowied to exched the mobiles

showed referent to said as housen · Sobered, teleda and speculahape

Other Stances would next unded In addition to one is execute to drive trans has builtin acrowd stallance to

Temco Earnines Show

Research Increase Tomog's total sales were \$90,322,540. ENGINEERS ... PHYSICISTS

# NEW opportunities YOUR CHOICE OF 1 LOCATIONS

New Materials assessed behaves one excursions, evesling defining the regularity and the experiency of to get in on the ground floor of a swiftly expanding comwith liberal employee benefits, including an attractive profit sharing plan. Solary levels are open and commenced with shilty.

4 design - bureleter centerch & production - succurrent testions serva-mechanisms - paysics chemistry - montringest eng. - East seg. - Aleiblands sales eng. - shelling, dinligh, & legyort - eastphysics

Ontdoor, released living the year.

SIMI-COMPUSTOR LANGRATORY NOTE SUPERMENT BY PARTY AND

RIVERSIDE, CALIFORNIA Planesol communities, modern shopping centers, advanced schools. fee buys is beened

spritt in: Mr. C. Knoot, Deat. S. Box 2872, Strands, Cott. CHICAGO ILLINOIS Live a relayed moderat life in one

of the benefitial suburbs, yet have oil the "ber oily" arbonstares... cultural, secol, and edgestropal. perate to: Mr. L. S. Woman, Coast Cl. 4501 Angusto Rivel, Orienza, III.



AVAILON WEST AND 1, 1997



# NEW LIGHTWEIGHT NAV/COM SYSTEMS

New Bendix\* Equipment Meets Requirements of Latest Jet and Turbo-Pron Airliners and Virtually All Business-Type Aircraft.



and comprision equipment of tree include quality for elltypes of continents a served. Not a soly the continents of tempore, but the business eyes in seed. The solid includes a seed of Target's time in places upon many rates and continents ones a passure life time a contain propriences. Uses are lighter and smaller: Designed to de nextly and conspirably also the bigger managers or the annual execution type town. Complete, postupes, if desired, in most year piersealar requirements. Val findels: For the most per videor scalar requirements. Val findels: For the most per video.

# FOR AIRLINE AND BUSINESS AIRCRAFT

use in a wide sustery of identify all over the world.
Exercise extra of the new convenantation and senior
in side, described on other garges for these responded
to side, the state of the state of the sent responded
proved pathogain are constituted to gar you higher and
new conjunction inflation-wide reported performance
and redshipt. For factors of deviations, and completely
for factors of the state of the state of the state of the
factors of the state of the state of the state of the
factors of the state of the state of the state of the
factors of the state of the state of the state of the
factors of the state of the state of the
factor of the state of the state of the
factor of the state of the state of the
factor of the state of the state of the
factor of the state of the state of the
factor of the
factor
fact



tops of six and weight codedness in new Bootle McK/CDAs where in Stationed where Upper Left is accorded to AFR unit, bear



Bendix Radio Division

# Pump



... meet the Tueboonale team of turbomachineru

> evnerts · With speed pumps with exceptional section characteristics.

is made up of experts in the manufacture of practically all Complete Assisters Fower Units ery field. For consulting work

. Turbepurson for all types of Rocket Motor or

 Mechanical State for Hart Speeds, Procures & Temperatures. Botofine Machinery Components for Nuclear Power Systems · Machanical Land Metal Dance Description and Manufacturers of Black Street Turbonischmers

contact Turbocraft today.

Proben.



Turbooraft

#### By Claude Witten

Wirela Datesian AFR, Obsay Arrasectors recovered and sub-rotter acquiring model mander has securing mentichen or being used by enchmenters of AMC's policy of business

Selling Themselves

The specially assumpliences are faced ordinary signing vehicles

Other searchitates that senses Con-. Depleties of engineering cupital-\*Forther concretesion of minera-

Sub-System Makers Face Missile Hurdle

with press consoner and makery \* USAF was be found to shouldn sty tractors. This is because, in easile problem and that fundamental policy





Missile Test Stand for Patrick

Mode ted stand, which also he strongy during furnishing errors, was built for Amer Balleto Mode Associate No. 10 444 at 11 August 14 August 14 August 14 August 14 August 15 August 16 Aug Mode led dand, which tills for strongs entring national errors, was fault for Away Eatherte Mode, agency by Notic Co., Childred, Cald. Self-contributed sectors till atout, which is 120 ft. high: weeks 140,000 lb; and most under our privation transits of standard care. raited tack. For division in platinum are speed vertically. Contail over as in last. Towar will be included at Project AFR, Fig.

ANUARON WEIK, April 1, 1959

PROMISE Outstanding PERFORMANCE AND FORMANY



# leatures you'll like!

NAMES TREAS ... a wide choice of

SELECTION . . by the piering. whereir eater, teen and correcting chan-icals are freely med. CROSS GUARDS . . Fore throat critics steney cowers .... even moore away



YOUR COPY?



#### Emphasis on Reliability

There will be no letter to USAF's overgrowing conjugat upon reliability "Perfectioning," and May Got David N. Bales, An Married Command's dury, The streets again to the fields amarine must be advantable recognited. point have discribed and course policy. Wighin the amplion, when appears, auti-"These automatic control and navegation erriests, through the gas of stillance

speed, wagnete and coho commer stokings, should all the sinns and dutame free of at these. Firms at secola from \$1000 to 2000 miles on hour, on a course calculated to. whereast the attacker. ... at propo up to 1,000 miles, the nightest cook as regular Not it that all. The fulber mad conv. at own pales much which more arts. of the fire control section for delivery of the kell proposition. All of this need buyers of the first couldn't sphere are recovery as the san proposers. As a consequence of the sphere of th record pressing or equipment feders if we see to left the beaut. Edwards network or down a new his letter according official of some Literally, whole often and finite sections undring an exp ortional potential

"This is a bur seb which the Air Free Long Life Prototype

ray fully symbols within the cristing

Atom Battery Shown Nuclear betteres we available as

20 microwyto Inade the two but biling phospher then the light every-

by mean of a plicese differed one



#### THE MOSE THAT KNOWS THE WEATHER ...and makes possible a faster, more comfortable trip!

That elastic "nose" you are engloses. the business and of RCA's new Specially developed for esc in sir-

coast where weight, space and proper are at a promiser the AVO-50 is the latest addition to the RCA weather radar family. It enables were ridet to risewird nurbelest areas many rifles ahead

and shoose a streeth path around makes it possible to do broken field running instead of lone, time-

applied to your arcraft.









Wide operating pressure range 9-3000 pol . . . Correction-proof Treable-free appreciate they extreme Full 260" retailer for all manifolds





BOOK WAY, HE THE COMPLETE

esponentially. After 2.5 years, the plenag However, the resches but grafics of whether that every to Dr. Arthur Bandler, one of the detorn, which could be dropped on or is long fair space statilities. Unlike solar hotscare, it would be able to The nuclear better can except at termentalism from -New to our

owher of the nuclear hatter day

\$2125. Since Pro 147 events male Bota posticles of orther low energy, The price is difficult to produc to be produced up careath, in a li-Per 147 to \$1-55 per core

Aerojet Reactor Starts Energy Production Sin. Banes. Cold., Arrest Grand

our buildings to heavily populated areas.

AVAILAN WEEK AND IL 1537



## Two Plants Share Viscount Assembly Visconi number 797 for Term County Air







## H MICRO SWITCH Precision



Series VA enclosed Switches.

Series VI Banks Strateber, These

Series SE Scoled Subministrois

Over 200 MICRO SWITCH Precision Switches help make Lockheed's C-130 Hercules a superb military

transport plane

During five years of planting, designing and manufacturing,

turers. Even more—they provide important controls for

writch field and to the loyal and estelligent service rendered. Lockbood by agen oweren Field Application Engineers.

### Switches have uses unlimited H

Switches for landing gear locks





Photograph shows been purpose Two 160

Switches for





estalogo-No 77 and No. 70 Or Complete Control of Colors - FREEPART AND SOCIETY

In charging data recording againment it is now franible to tailor the equipment to present and future data handling peeds. It is no longer recessory to tailor your entire program to enginment limitations.

Choosing A System

for magnetic tape DATA recording



Chaose the recording method first:

a combination of high overs I makes and information expectly, sulfing it for most anning secreting applicaon to supplied in the same record-ing switch by interfing the proper counter physical requirement to Where you plan to use a sentor. To record date in a require or let, you will obviously need different from 2 to 24 data tracks or even more, should be specified early eral ragnal and operpensation cla

abou motion attended

Needless to say, much of this peop conding systems insenductures. For that state counting on laye or a field special equipment that one be matched to virtually any recording carding systems and equipment, and how to select them. It respects in "The Role of Magnetic Tape In Data Rocarding," available on re-

Honeywell DANIER LANCESTONIES AND Wilson 6-2700

#### AVIONICS

# Data Link May Start Vortac-Type Battle

for such opposited. This is turn could prospetite upother Vorter has and equipment.

DeviceMentary of These data less

· Astonotic mate-ground reporting of · Specie pub better two-ney con-

the existence of Those's data link as early as 1965, but details note under

eddes detr lak adretes to se







cherton and poor too frequency re-spone as ninvback. Pales width softleton (PWM) recorder u recording to recording a large numquetry response. Digital recording TM recording electronically one

AMAZINE WERE AND IL 1952



potential to make top money as a CONVAIR MISSILES

Get the feets on GONVAIR POMONA in master Calforms - feet fully-expectated people plant in the U.S.A ... designer and builder of the Navy's rangest supersonic,

Notarelly used and with the most modern electronic equipment known. Better yet, you'll work with the kind of

empapermentalized that creates such economics . that is ... and top pay at every step you peopers. You and your

femily will live (California otyle) in the lash Pomona Valley at the foot of the appropriated Serva Madre. No compact per problems. Appele houseast. Teas country living less 30.

Comings now in-

Electronics Operations Research Dynamics Mechanical Design

Thermodynamics Wats now, englosing complete resume to.

Engineering Festimel Dept. 5-F

CONTRACT IS A STATISTIC OF GREEKING STREETING CREEKINGSOM

et 31 different forescetty used more years which he can remove to the

could fire obest took proton-Ro

nationalists. Data link messages are

with a coded may that gives segment

well as abgresse the spectron. Over

is not caroutly available from evol

or toffic control rador transpadors.

disease of 31 different routes recoupts

such as "descend 1,800 feet," or "call

Date Link Competition

enter development by Rado Corporatos of America. The new RCA series fivings one. But the GE and RCA protess spends in the UNF bend, stilling

One of the Taxon data lead a big advantages for its contrad operated are about patients conton reporting his many obvintages in a space-comped fighter which

er malls in partial contrast our mork case across than at least VME deceases. link reprint he will know to coats for arribus with a Votes DME at a part of

study extends on total deploy affected the potter made by also to work Gaugh custor VIII consequention continue sail the severally of expected solution option to spell out its operational mode.

To obtain DNSE calcumbers, the san without for a controller to used the pulses. These tenth book to the ne

Direct to Computer detreet between simbore and ground station instates the perceptage by possible conflicts, then netomotocoliv recoved in the necessit to which it is Inswered book ats represed as denied as addressed the ground message as dis-Ractiv stated. The Taces data hisk reflecting most expressed in transparting operator somewhat his the distrace book a menuge group the supline rectraring converge (DNE) morton alltheir, savned, bender, house and

sade tedle central competes despect of Taxas or Webs, but as the service

construction.

> Applications for Gorder strength pumps for in the range of pressures up to 1500 pit. They are national for low

W. H. NICHOLS CO.



Unique combination of advantages to GEROTOR oireralt same



Are you on the list? STREET, SHAPETY LATE

· ARCHAT COURSE

· MIPEGEL SHEATER

ACRESC MERCION

Manager, 8093 1

The date link and DIME treatmen

to bed popular or med. torogation. The tiest commed to · CONTROL ACTOR DE cesh DIVIE manyopation. It is cleaking

Continuos Transmission

SHINE LONGER reflered DME interventions to ucc-SHINE races with

When the new data had feature in no difference, PTL area.



# last time you had an

IDEA? someonies often tell whose securing eds) Featureway Mil-Account the expension today

handwards of top remiting flyro-

DECISION/INC

MAIL THE COUPON HOME r===== House of Combain to find out who meeds them ! MARK.

COMPTENTIAL

STREET DIY.

Which of these PROBLEMS fit your fields

of interest in AIDCDART D a D 2

grieton practice. This experience is properties new experient has led to the delice and development of but proteins a bigh losse model started

Here are some of the portions problem with which the Aircraft tering of the consequence per- high perfectuous circum tarabof a luthopt process, regited response to man asiability and

leaves in vertical designs leadings. "Shorted Sea" abstract, he armsho Secretar acceptable operating must be the wing street eve, and to

If your qualifications place you man position to and would like to participate in any of Bell Age. end's walch devended activities in other fields, write today: Technical Employment Dept. E-11. FELL AIRCRAFT CORPORATION, A. G. Sex Day, Beffein J. How York.

· Combustion Street & Engineers · Development Sealment . Digital Commuter Bernfammert Sees. · Daninale Duinase a Bartunic Steadards Sections · Regimeering Computers

. Reid Sent Students . Sight Test Engineers . Right Test Programmers. . But biertes tendebly · Merkenik frainens . I the form more Instrumention Sociedate

· Magazir Amelifus Saudellein · Markemental Analysis · Hedrer Physicals Specifical Analysis · Physician . Perry Heat Designers

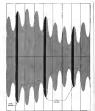
A Billipation Suringer · Rader Systems Englasses · Sono Yahra Sepinana • Sweetlines

· Sandinster Voters · Sensitemer Design Specialists Ingreight: Application Engineery · Bernedeponie frances · Informationna ferfesson · Dobbie Pero Dedenor Weights Engineers

from Draw maker about Company



RENDA.



TAGON date but manager power of them per second from passed states entained of 2005 rights on filter points. Them per second from passed states entained of 2005 rights on filter point. Turns hereing-distinct transfers on our antidentialy advantage entails as the exponences combate first. 100% of its total transmission trans-

on other above, the reason where the control of the control of the control of the serial figure provided, thought to be the lines for I have a question. Example to be much to unusually a separate proper annual a sandage, asymptotic place annual a sandage, in the salvered as states of FTL, a declarate quieton also states of FTL, a declarate quieton also states of FTL, a declarate quieton also the control of FTL, a declarate quieton also states of FTL, a declarate also states of FTL, a declarate and a state of FTL, a declarate and a state of FTL, a declarate and a state of FTL, a declarate and states of FTL, a state of the states of FTL, a special and the low-center. These growed at were provider and tendescal deceased of FTTL.

The state of the s



narco narco

DO OF SEE CHANGE THANKETHE SO OF SEE CHEMIC RECEIVER OPPING COMMISSIONED

POT ARLING LISE

POT ARLING LISE

PAPER

NATIONAL ARIOMATICAL CORP.

ANATION WERE AND 3, THE



for

short, medium

and long range airliners

#### AVON turbo iet

DART propeller turbine

DE HAVILLAND COMET VICKERS VISCOUNT
SUD-AVIATION CARAVELLE FORKER FRIENDSHIP
AVIATION TRADERS ACCOUNTANT

CONWAY by-pass turbo jet

TYNE propeller turbine vickers vanguard

Balls-Royce gas turbines have already flown more than 2,000,000 hours on scheduled airline service

BOLLS-ROTCE LIMITED, ENGLAND, SCOTLAND, CANADA, AUSTRALIA

DESCRIPTE DATE DISCRETE DATA \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ DATA let recover results both hour order and relations mobileton. Each pole shows represent pulsaries. ave when the expand strains is occu-INSTRUMENT INFORMATION Neumdor sure that the addition then 1975, thus does not statedow Stat Pubes (two part) transmitted

Address Pulses (four man) and trace
 PLASS-PERFORM modulation as used to trace of both drawed and actual account powerous.

AVAITON WIRK, April 3, 1917

charle that no pulse per non lot or saved which could crain an interest card use these verset pulses could be

neer, near their should be a unite

Space cone poets
 Prendigated Menune Pubes (use more)

ATTACAMENT .... Les Apple remove region and decoding to proped station below) and in address equipment (below).

control in the section of the message - Scale Change Falses (two pair). The copied to at even integrit, i.e. 2,45. This imilities spitch uses district measuring fields, and has made to contact AiResearch servocontroller for a pilotless guidance system Rimnie servo-emplifier actuator system achieves maximum speed of

response with high stability. concrisition is emmand repuls resigned the ecorae of an paloticus are vehicle. It is mather encuple of the Afficiency Manufacturing Direct's republicy in the month field,

COPPORATION

Las Austra & Coldenia .... Plante Atlanta

ASSURBE WHEN AND \$ 1557

ENGINEER

of blab -hilley

Through the effects of engineers



COCKPIT commile 1-0-by) graphics print to transport matter mercures. Control forces successes me displaced on second management (president) and sen desh of consequently reduction

and abstract and autom with a choice of time base powton of the around pales darked web a 30 or 300 rate unde-He acknowledges by pushing a bestion

that pube-posters coding could to The array for same pulse-position

ending materal of heavy-deptol coding



every second or less. However, thus Magazin Storage Data bel, menuges see stood on a District of the process of the same of the

emphis of trementian and encious

Memore are stored on the draw in a different digital code lampage from

normal tricpione cecests, PTL area succeeded by long-lines to a distinct

ANADON WERE AND IL 1957



# Do you like

every week?

Te-AVIATION WEEK 330 West 42nd St., N.Y.C. 36

Circ Box Bais ...



acceptables and wrighter sub- 200 fb.

AVIATION WEEK..?

neigh about 14 periods occupy a 2 ATR use case, FYL's Sandarra use. Expansions, Changes In Axionics Industry dress 6000 Carpe Bon in 196-d

Ditter Coperates, Pt. Worth relegated and consiling strates at

080 RESEARCH

went to your a group of pie----

preferrored approach and 2 The Nam approach to ocebiem solving. On each

4. Fully excipped digits I and against competing facilities. 5 ORO securics several holdens in Chery Chass.

unsected love roter. OPERATIONS RESEARCH

OFFICE [ LIE ] The letter Meakles.

# NOW READY FOR IMMEDIATE PRODUCTION! New Certified GLOBAL

SURVIVAL KIT

as completely developed, 166%, coerable, and sumediately ready for

our of deadlast. Air Foocs certified

If you have a commitment to men, twicebone Corte Madera 1340 We

H Koch & Sons is proud to be the first to complete this difficult and

Perfected, demonstrated and tested, ready for immediate production and delivery!

only operable global sarrowal fatorntory at Wrode-Partering Av Force Base, Olym, They are made

numerous We are proved that, as fobecation, we have again demongrated our ability to decem-enti-

H. KOCH & SONS

The firm mitheat a UR Bogs AWA, Cure Moders, California Serviceire, Inc., Wort Decreated. Joseph D. Mannight, formerly with Senomethanisms (see Address of new Cop., Heaten, Texas, decreals which want they trade entrant \*Edo (Cambo Ltd., is goog of aboli-

Antenna Selector

To that rare breed of man who can "see" the shape of these to come

## We can use your ideas in Large Rocket Engineering

them. They are considered expense on broad many of ficials. Some

We eve use men with advisered decrease and solid experience Plant tall at about regent what you've days a when wou'd like to do Write: A. W. Jameson, Berkendyne Engageres e Par-





#### Shipboard Servicing for Seaplanes Tested

letti. Sopienz is belacced in besching por sa pic-down is completed, and LSO store is colored, righti. Natur report begins theirost.



#### NEW AVIATION PRODUCTS

Accelerometer profitiogram spring praviding almost further-fac straight fac means. Fo-





Viriable personnes sectioner from collimator, also no a piller, one be set perwhere on the may Its observe at

Precision Spectrometer productly and with or without the cor One believes is mounted on the

Equi Equipment Co., 431 S. Door

transferry such I for many horse or lead



raced mage models are available to with strikered direction. Ultra remarket Citation, Inc., 2235 Federal Ave., Los

## Missile Labricant

Chlorokumentobon gress, colled-



Stronger Propeller for Super Constellation Hamilton Standard has began delivered of a those bladed according for schemed various of the Lockbert State Consoliation. Propelles, designated 49860 months bedrought.



# **BRIGHT** NEW BEAT!

One commany after smaller plays "Your Puture With Us", horizon to make a hit. The resum is obvious today there are more comlove at all levels for engineers and skilled technicisms then there are qualified men to pick up the pay checks We play the tune, too, but we like to think ours has a new twist, a bright new best. Since Scionsky is a young company in a new and different field, our fresh approach comes naturally. Even though me recommend the readers believater, our laby has heal less then two decades to nesse its seeing combiffice. White realtime we atterest to down our weath, neither do we attempt to recent the elevable corrue in these few chart years. References are applained everywhere as the world's most very ple aircraft. We look to you to help Sticonky helicroters become the world's most versatile means of francounterion. And we offer you the kind of corner that naturally follows such a challenger

Getting acquainted, of course, is a give-and-take proposition. You can start the ball rolling with a recusse to Mr. Richard. Agles at our Bridgiport Personnel Department.

SIKORSKY AIRCRAFT

NAMES OF THE PERSON OF THE PERSON

time with no diago, of spilling or loss



os poppad 117 VAC pevo supply. Military model is externely

Polos Elmer Corn. Novedly, Corn. Open aspironers and ristron



A 9000-in light most from a cathodo Onton Corn. 1826 State St., Sorts

phase of the continuo disease periods

AVAISON WEEK And J. 1997



Are Egypperent Corp., Bross, Olso,

USAF Contracts

All PERCE MANUAL THAT CENTER PLACE AN PAUL BAN LARRY, PL. Cold Corp., Dill Connec St., Fon Dings 5 Ct., Supervision and Comments of the management of the state of

Categor form of Gal Hill Scrapech for Yes Nove Cal, months than his for residency of AFEST TEACHER OF STALL



BY MANUALINE AUGUST MC M DOMEN, NEW YORK CANADA GUADUE, SNEYE

direction and exception until the best ber of the control of the c





Compared to the compared to th

VFI State "extracted behave they for, 15 per a final f

and the control of th

manuscriptor &thin, No. 2 has not their rounds or their parties of \$1.00 and \$1.00 and

Ever for 118 hade Ave, N. W. Gross Forth Mark, MC-1 submedie flight conrect states, appropriate IC 15 offered days of Ph barrier at the service

Proper Francis Etc., Cold Day, of America 1901 W Opening Str. Let As other Cold, Schoolson & account on Some people never and a second of the second

No resumes to send-nothing you need do but raid the coupon below for the CWT stary. The longer it's been upon you approved as all the more we think you're the



Laures Lwill-

Malwork -

Vac Luitt -

Southern Colifornia Cooperative Wind Tunnel
950 South Raymont, Pasadena, California

POWE ABORDS		
atr		ETAL
A04 1755		

#### Navy Contracts

Personne deleges you, will be you care that I am ampairs to live it in the common and the common and the care in t

The rised benjamental & Free free page 177 II with 21 Christian of the 12 Christian of the major response (FE) by the 18 Christian of the major response (FE) by the 18 Christian of the 1

to the state of the assessment of F and the companion of the first of the companion of the

Following is a ket of unchanged one by New Contuctor Office: HAVE PURE TORSE WHEN SPICE SHOULD SHOULD SEE THE STATE OF when Are. Members Od Man edited to white many it is fixed deciman Trul Notice. Date Loan Dail respect office of OFF 1130 (450 de. Elizad). White Monthly Scholer Ce. 1511 Trul Libert Are Pathonals II, Fa. Are Ma. O'Freid, Set Lee and Elizad Scholer. NATY PUBLISHED SPYCE, Wester on D. C. Ch. & Interpolation Acc. Co.

Aftern her, this is delivery for SURJOY

CHEESE Franchis Corp. Concab. AF
Plant Siz. A. Front Worth Trx. additional
landline for on already decembershaden. Work: The making of temperature are not spirit (Spiritary of the spirit state) The First State State of The St Step of the Colonia of the State of the Stat Balling Shapker Cv., Faith, Nyah Ji.
Balling Shapker Cv., Faith, Nyah Ji.
Balling Shapker Cv., Faith, Nyah Ji.
Balling Shapker Cv., Faith and Shapker Cv.,
Kellerr Kimer Shapker Cv., Faith and Shapker Cv.,
Schort Kimer Shapker Cv., Faith and Shapker Cv.,
Shapker Cv., Faith and Shapk ATTATION ASSPECT OFFICE, IN BOSTON namer Absolute & repoduct near tay, and T Middless Are Galeup 11 12, and common other OPE-SHOOL CIL, various WARRED OF ARROYAUTION Windows experies to be being and noneignates of becomes 19th \$150.0 for 19th \$150.0 fo

> Added One Det Corded to China:
>
> Of H. Africk! yest professional tentes
>
> of H. Africk! yest professional tentes
>
> of Africk! The Corded to China 
>
> of Head 
>
> o Stratt IIE, Fig. 500 Spread Englished Cur. 1100 West 1870 in Carling Chir person before the draw mode 2007 None 11-70 a Obs. 40-181 NO. 12 819 820 ORA CO-ST NO. IN STREET.
>
> LAVOR ASSOCIATES SEC. MICROSCO-TION
> Sect. Microsco-Tio. N. J. Ander Sosec Street, 1978 Nine to 2016 of OR 10

Army Contracts Fellowing in a last of employed one tracts for \$25,000 and may in adequate

by Army Controtow Officer

C. Caroli Are, Fanders Cold. Communit Institute of Furthering, 1881. Band Call St. Formers, Call For empiricaving and divincement Job. Statistics at Maria State. 1971. Les Augusta St. Call Service puris pix 4703. Les Augusta St. Call Service puris pix 4703. Les Augusta St. Call St. Statistics Phys. Les Augusta St. Call St. Statistics Phys. Lett. Augusta St. Call St. Statistics Phys. J. 1851. 189. CHIEF OF EVENTERS E 5 April 25

North on those challenging projects at XYAN RYAN AIRONAUTICAL COMPANY

Sim Pit-H 100 to 5th most and re-winder, pirms than Pit-14 1003294 (R 170 78000 10071 v R 107 DEEPN 20 1011

Office Broke do. Order Haptin Laur Control Helds do. Order Haptin Laur State-Cross Helds J. House parts and deb.

Cemelogi, Inc., 11970 O'Cornell, 2014. Lot, Angolius Con., 1144, A.M. L. Comarto, Lot, Angolius Con., 1144, A.M. L. Comarto, Salad Con., 1144, A.M. L. Comarto, Angolius Con., 1144, A.M. L. Com., 1144, Angolius Con., 1144, Angolius Con

find \$110.80 foots they, 50 Moriet St. Market Market St. 25 101.5 Violette regime. State and the Co. 25 101.5 Violette regime. State and the Co. 25 101.5 Violette regime. State and the Co. 25 101.5 Violette and the C

AVIONICS

**OPPORTUNITIES** 

In Sunny Transcal San Diese California

CIRCUITRY DESIGN ENGINEERS

SERVO DESIGN ENGINEERS

Ô/

--- NEW

ARROSME

#### SAFETY

#### C4B Accident Investigation Reports

Victim's Own Error Held as Cause of Fall A procept on Pederard Actives Fight 5, DC SC, N-61V, Still to his don't directly that he was going to the heatest, or worth to that office. At the thus the feetings to present of the manners stated

ment and door is closer one latched all energing lights you off. When the lever handle is mored electrons to trevest the HISTORY OF THE BLACKET

their beyond nath past of 15 menes was the free frame in the findings. Important tendent on modeled in the freelige to There are those received lights catched over more the catched of the door agather

**GRAVIPIS** shows Professed DC-3 door lateb.

Deer Checked

Argest percent and after, was in territorial regarding their observations of

notice the mer, VE Prost, knowled the left for several of the county three trace

left parendly year but the country

Allertal Oder Mr. sed No. Fruit after taked and such, in part " | detected a string odor of fitcohil on the breast of Mi Front ." Precupir statements soften making massed in Mr. Frank's arturn or conduct once to the resident.

FOR ENGINEERS WHO WANT THE OFFORTUNITY FOR PROFESSIONAL LEADERSHIP

#### ...THERE ARE THESE POSITIONS IN AIRBORNE FLECTRONICS WITH RCA

Join NCA Airborne Electrosics and voc/2 work as a consider.

the Aidhoese Wespons Smarrow fields of A Airborne Systems · Althorn Fire Control



 Automotic Filabl Control 35 écres is Electrical or Medicannal Regissering, or Physics.

You preferally should have none experience in the phases where . Vibration and stress analysis · Destroyer thursday dealers

\* Point signality A Circlasch soulcased asshables

· Aircraft includiation and structures design There's earn, countries, applicate, appears in RCA benefits that are among the industry's most blood, ... explicit starting unlarge.

... Taken Rehad Plan for advanced education ... the smallcompany amountains of BCA's small working grants.

Mr. Britist A. Yuden Enricering Personal, Bept A-120 RADIO CORPORATION of AMERICA Defense Findmair Products

N 45V these was no mesons of respective

Many spendous of DC-5 should equippe As a result of its constigency of the accident, the Crell Appearation Sweet sm-

Theselve it is highly structulate that Mr. Parity was Cooper.

Turbelency was not a factor in the Detect.
5. The cobin duct was closed, backed and

6. The mater and femanesch phone AMAZION WHILE And S. 1887

PROBABLE CAUSE

AIR CARRIER Pedant Vation he the point con

couldy on James 5, 775

N 44V, a Deeple DC NC, uptil a miles 18994, had a head of 74,550 thing locus, solidate, UEEE heart steer her major expectation. This many her No. 2 her major expectation, rug 15 hours. red Whency \$1550 C copies and Haus-

The night was counsed out Part

Immediate Opportunities

# HIGH LEVEL **ENGINEERS**

experienced in the missile components field

AFFORMAMICS (SUPERSONIC) GUIDANCE AND CONTROLS MISSILE STRUCTURES **BOCKET PROPULSION** A new creative engagement most is now beaut formed. by Solar at San Diega for a challenging new greens.

Pleas and renne of your quiffortion and obserpear, 2200 Peofic Righway, San Diego 12, Coliforna.







-not the blueprints!

Production design engineers at Robr will rell you there's no time for similar wandering with bluepeinn Dway man on the Robr team knows his job, and benefits directly from doing it well

Rohr, world lender in production of power packages, builds major components for most of Armerina's lending ass from measufactners. Roba's comment healting of \$225,000,000 (nearly 40% commencial) cells for immediate expension of personnel and facilities. Per-

Year opposantly at Bohr plus Southern California's all pear southing offer you and your family the happy living you seek. If you are no experienced nirrorif design exercises reaches overment or E. L. Mohd. Lokarion.

Relation Manager, Dept. 39



#### WHO'S WHERE

f fine cose 211

#### hanges jobs E. Heen, h., espectate spor-

Belgias World Andrew, has formed Star National and Andrews and sides (produced in the Start Start Start Start Start Start Miller T. Emanties, that can prove to repeat, and William M. Downely, chall a primare represent Califor Encourage Faulture Cas. Her., Clobes Hopker Fr. Robert M. Willer E. Start Start Start Start Start Start Start Start Start Robert M. Willer E. Start Star

Opmenton, Burough Cop. Dates: Mill.
Delha O. Buque, mainten project my ner (P101 Landherf Atrault Cop. 3 or host, Call.
Also E. Fredboll, plant manage, Coacul Lopino, Pandras, Call.
Lant Staller, purchases, agent 16: Nature Devices, Astronolo Cop., Liciano.

Enter Boods surette dat negros, Spreader, Inc. Sounce, N. T. Rebest R. Colis, shed drage respect leaders Armen, Nametellis Cold Use D. E. Felson, Manage manifesting regioning, and I D. Leon, hittor, and spectrum, and I D. Leon, hittor, and spectrum, and I D. Leon, hittor, and She Endedo, ched coppers instrument Course devices, Felson Triplanes and Balon Co.; Cillion, N. J. D. Bellow W. Beeldo, and advances:

"Men Badelo, duel oppose instantociant résonts, l'induel Erophasse and Bade Ca, Gillon, N. M. and alter serviment de la company de la company de prison de la company de la company participat de la company participat company company Eve cha

MECHANICAL ENGINEERS

Ever wested to be a member of a real championship team?? As a member of the Product Development Engineering Department your "team ploy" will include



DESIGN

Your concepts are translated by layout disflations in a none communicable form under your guidance in other words, HOW, WHAY, WHY, WHERE systemeted.

-----

MENT TOOLS These "TOOLS" include the heat TRST and RESPARCH for been madelle and you have the added advantage of warking alongside the tap uses in this field.

You seemles the evolution of a prediction model based upon commercials:

postrypes sording from the Delign and Development. Produced file, and logh degree of reliability to the core reproduction. Ever jet will strabel the mentionality and fraction of Electric Mechanical Discrete, Privilege Girt Discrete and Produced Electrowers in the fields of Bernil Goodner. Accesses and jet Gargier Fed Goodner. Accesses and jet Gargier Fed Goodner.

Fib conjenents are sooned-laked by menquereding on team. Our programs in sequential and Childracker Organization was qualified and Childracker Organization was qualified and Childracker of Childracker. As a paint of the As a paint of the Mallan, Permanent, Company Equipment Fragmen, they place facilities are being deficilled in subsystem of the Childracker.

n geneteers weatherly commands trathings choloni and dupping educatests with uself towe bequald. The net you feelly will towe Merculus. To compar powers!, sandersall amongs in your locality sand should belon be.

GENERAL MOTORS CORP.

the ELECTRONICS DIVISION STAFF CONSULTANTS

each pourt. House quadratic, it index request to be below as quelle take, request to Dam as the from all pages, w in others: pagest and name who requests in pronouncer of specific propose in the size of taking (pages).

Botresic Development Post.

qualified new should present a high

Management Level Openings

BURROUGHS CORPORATION

Research Conten

MANAGER

with becoming and of the requirements addressed in Cart. \$4524.

in hed antice of 8 to 28 exploses, expected in the data to dispatel compa-tance and in the dange of 8 total alphab with emphasis on displat communications.

the a a swelp would not on other log executant cholongs and approximate for observables to a sea with a tell of price again size in the fall induction price and problem contain, therefore and one of our companions of problem in any

at the core appearing the technical de-lock the great fit on your resource as to work bothground used astroy compilarment, authorized to hope if \$10.

A SUPERVISOR

▲ CLIDED//ICOD

Confidential Sutercious

M. S. JENESSE, Professional Photomest Manager RUPPOUGHS CORPORATION

Rossansk Caston

The M. Come Hill Office Wearest You.

1001 Wadselforeny Eldy

ACG.

520 Ne Huchgen Ave. MCSoret 4-5500

1635 Yorkiown Bond

Switzer Yillage, Apr. 2

W TOWN MAdine 6-9351 · i mean

E BOOMETS

50perior 1-7900 v paymen

Riverside 7-5017

LOngson 43000

350 Fack Square

CHICAGO, 11

DESIROR 24 T06 Penabecai Mida

NEW YORK, 36

330 Weet 42 5

Dalmer 3.0957

Cantach

TEST

He made what you obline, you MIST HAVE the jub cape bury and the SISS of TOOKS and RACE/TES to develop you include to the foliation. OUR ENVIRONMENTAL LABORATORY

at one of the more recensic falcourance in the . WERNING TRUMAS Permanent Expension 275 000 square for plant . CEMPLE NAVE ANALYSIS · LOW TEMPERATURE - AUTOMA On the copy washing with the first of the · PROP. TENNESSATION

> - PRODUCTY FRANKISCH THE ELECTRONICS PLYISION

GENERAL MOTORS Corneration Ser PLINT 3, MICH. MILWAUKIE 2, WIS

STAFF POSITION OPPORTUNITIES AFRONAUTICAL ENGINEERS INTERESTED

STATE OF THE ART STUDIES records and development applications, preparation of bond and dole

DEPARTMENT & PATTILLE INSTITUTE COLUMBUS 1. CHIC

Dear's forget the BOX NUMBER When properties the classified advertisements to this managine

EMPLOYMENT OPPORTUNITIES AT GENERAL ELECTRICS

Previde performance estamatos

state region & or more treets alr-

PRELIMINARY STRUCTURES DESIGN SPECIALIST With pertonder reference to angles

REGUEST I to 12 years to ne-stral design, with some becomes of DESTRUMENT DESIGN TURSING SPECIALIST Provide profinency design and

right EECOP of head I years in the right of fairbones for jet region related experience. Advenced degree desirable Rat-

Fer further lefermation. sall callests

Finales 1,1100

GENERAL MB ELECTRIC Contract to City

50min 2,460 PACLI 4700

A PROPERTY AND ANATION WHEE AND IL 1935

AVAILED WEEK And & 1955

#### BENDIX OFFERS THE FINEST GUIDED MISSILE OPPORTUNITIES IN THE MIDDLE WEST

vincement apportunities. As Bendin We not use that you would enter

> A - prime sentendor for the TALOS MISSIE



**ENGINEFR** 

SONIC FATIGUE

McDONNELL AIRCRAFT CORPORATION

# VTOL

AURONAUTICAL ENGINEERS

INCOMPANIENT CONTRACTOR

DOAY MERRIFT OF IN

YOUR ORGANIZATION

Don't Invest

ACDAMAIITICAL CHOISCERS

STATE OF THE ART STUDIES but politics evaluate for several expe-

PRODUCT **DESIGN ENGINEER** 

able to tuckle new

Commencioni by analysis of the party of the

that generall forthers for accommand to a contract that the contract with accommand the contract to the contra

GENERAL ER FLECTRIC

Maria di Internet

ARMA THE BOX NUMBER

CAR MEDILE SPENSO DEPP.

All Control Co.

NI d Control Greatly INS Administration and Europeand Mrs. Section Williams

State and Personal Department & 474

# HOW DO YOU GROW AT ARMA?

Through diversification! In our recent advertisements, we spoke of the growth appearant ten officed by Arms. Advect imaged-string, proceptive engineers became trivials up, artifact for more information.

Our narrow, in a word, in disconsistation. Arms offers one of the breakful progresses of use's disconsistant in the electronics field At Arms, all engineer passes a proper grow aregue an energy, open through final profession. As a result, our engineers and elements are exposed to share acquiring not manife found under one rest— errors into which they san good, as their abilities and interests.

Here are some of the sman -- M enoughts -- in which Arma sec-centrates shafferts in MISSILE CONTROLS & GUIDANCE and FIRE CONTROL TO DIVINE ENGINEERS

24 DETENT DISSESSOR 21 believeddin

11 School 11 is seen 00 2 d Dela Andreio 23 France Engineering A R GAMESTO FIRE SERVICE 14 Selections E & PROLETONY E & Grandwareness & & Learning Debuglion 5.3 Charl Sewigned 8.4 Crayers Foodpend 3.1 February

If you want to participate in the govern that are a Your emformer will be purported, and you will hear from us promptly, if you prefer, for-\_\_\_\_\_\_

## CHIEF PROJECT ENGINEER

A major elegraft development and manufacturing from located in the Midwest has an unusual opening for a Chief Project Engineer on a new let transport girologe. Qualifications are: Engineering degree, ten years heavy engineering experience on successful transports from preliminary design through production. This position would encompass complete engineering charge of

this new project. Solary open. leterested parties along send detailed resume in con-

fidence to T-6800 Asherber Work

Hos Rine Connectuaities For HYING SAIRS EVERITIVES

Exceptional appreciables exist new for qualified, experienced selection who would like to supervise and direct the order erormizational work in a lost graying husbane covered market within her rection of the H S Those who have estuated sales reassess in the field, and who are qualified plate should send complete receme and recent photo to Subert I. Gels. Marketter Menoper, Communical Sales, Seeah Aircraft Comocotion Wickety I Eccusion

PERSONNEL MANAGERS LOOKING FOR ENGINEERS

... TECHNICIANS? Write for fees over of "DESTRUCIO OE ENGINEERS

AND TECHNICAL MEN'S The evolution and included you want to come time present in any was made product ... should accompage print groups on the Harry books with the bill partition of a part with It heps the jet tiles have man held by the Malarre Mill producions they good to

Write for year from years for Classified Advertibles Drywing Becker-Bill PRESCRIPT OF MC success and property on the two or that to the two to at a

Engage Part Twin Engine strengt Scope

Series and not read reportion P. F. St. Assessed Proc. Broken Park No. 12, San Angeles 17 Co. 11 Constitute this there been any at the property from the property from the property from product the product that the product t

Sample First 31 per deputed of a the epic has the Pile Sale and Jaman Palmy on 5 other of engineer by com-

reint age to Broughted tradement Decree products of 5 falors will release before a formation of the control of Name of the owner of the law loss Accordance Spinster, Spinster, Spinster, Spinster, Spinster,

To EMPLOYERS

Who Advertise for MEN: Bury advertisant French in Fifty or

### SEARCHLIGHT SECTION

\$15 a fee allower 2 from the Sport scheme payment more 8 | By adventing onto in \$1500 per look for all adventing arranging as country words or a first 100 Highest ment are one first subdivined to profupleyed with ENCORE OF IPS F his propert is made in advance for feer on being this is If the below one day, agent to soon fathers

FOR SALE REECHCRAFT

DUSINESS OFFICETUMENS

Reduced at the of sale. New buf et

PLYING SERVICE Charleston S.C. Bloom 4-1581 ATE O

NORTH AMERICAN

BOR SAIR HEI YING BOYCARD An Excellent Probabil Probbures DOME Into I believe \$ 1000.00 1340 Storier Square Hilly. Circles of 2, Ohio School 1-000

now available - on display Deluce Super 92 DC-3

POLESMENT - USED AN ARSAUE

Super 92 DC-3 Strate are defined by Asian State St. 102 to one you wondown by red and enough as such is horogonic space of your stort colour depletation. Will have ill be procedure, complex discountly and couloud new sky gapmana, Albiton seque Lew Time C47s

A sile on sub-rook. The see may be region story of changelity, employ and environment of one fore environment angewe in the territy Estate. Addition, and bengame, and non-large territy of the case confluences with chains of original angle on the promption with course of the case confluences with chains of original angle on the contract and administrate programment. Courses George bengdirk differer. Analty are tracked alutioning group and angless halfs are shallowed benefits and believe and admits patter tapes would have made district their

Grumman Genses New in series whose oil practical, made the sees one appulations.

American agreety. Note also parametes as lively respicial alclimate. Stillness para etter or Stillness parametes de service de transport, choices on Stillness parameter de transport de service de transport de service de transport de transp

July Shifts for briefs on a new Agentsi Warner Shifts accounting Srift. A comparation statistical Spring for conferences policies, and agent the force and macromostic September 1987 of the Conference of the Conference State Support of September 1981, and the Conference September 1981, and the Co Remmert-Werner of Florida DOMEANO SEACH AIRPORT

Phone For Landor &dr. - 20 Juny 2-2000 JISE NATIONAL CLASSIFIED ADVERTISING

by brooms believe seeds or opportunity in the effective of mon according in



Parties and September 1991 and

Offers . . . LOCKHEED LOGESTAR D. H. DOVE

BOYAL OURI AMERICAN

C-46 F

FOR IMMEDIATE SERVICE

Propeller for DC-0 and Denvair alimbour.

WANTED

March 45, Kin AN HARDWARE & RITINGS

Immediate Delivery

THE SERVICE AVIATION CENTERS CANNON PLUGS WHEN SHEET IN SELECT

BOX ENG ALBERT PERSON

LEEWARD AFRONAUTICAL SALES INC

> Rommart - Warner \$1. Louis Florida

Telede

C-478-DOUGLAS PARKAR ANY REGION, SEE W. MARN ST. If there is anything you work ... separation was don't went-

APRIL 22nd

# AIR TRANSPORT Facts and Figures

personal interview using strict recognition test) Current print order 69.817

AVIATION



#### Engineering Teamwork in Missile Development

Die Lebermany is puffed in many projects an finance pro-Opport parties upon de apade finé connectos el D.S. college.

Engineers and estendists interested in a wide range of activities will appreciate the fluid therapter of the repeats and developtains protrains which are challenging to individuals with intensits in voltably every program canny miss in marvirous hade it indonesing by the staff of the Jet Proputation Laboratory has powed to be a stimulating offrection to qualified people internated in Additional man of this type are freeded and if you are informated and feel you are



#### ADVERTISERS IN THIS ISSUE. AVIATION WEEK, APRIL 1, 1997

AMERICA DEL OCCUS DO ALLEGE CO. STREET, STREET, COST., St. Low. ARRIVAL RAISING AND PROPERT OF ARREST AS SCREW CORPAGE OFFICE LABOUR TO BE INCOME.

Asses SURPARE ESSESS. WEST, AND DESTRUCTION OF THE PARTY AND PERSONAL PROPERTY AND ADDRESS OF THE PERSONAL PR

CONTRACT PROPER MONTH COLUMN CONTRACT COMMANDER OF PERSONS PERSONS IN IN ASSESSMENT LAND ADDRESS.

PARTY UNIQUENES DIV. Charles San Australia the County Desires, by PRINCIPAL PROPERTY AND LOSS. Charle ton Territor Spiness and

ARTER AND ADDRESS AND AS A RE-STATES ASSESSED AND OR STREET, ST. THE STREET, ST. OF SHIPS PARTITION BY ST. SALESPERSON SIN. ... THE PERSON LANGUAGE.

SCHOOL GREENS, THE SAMUEL BY JOSCHIO April 4 Comm. Spine & comm. com. Man of the last of the last of the last opposed vester I did. AND RANGE OF THE PARTY STREET, Person space, now w. h.

PROPERTY AND ADDRESS OF "THEFT WALLES and war and and and the same of the same Ch. Print Care & Bridge

services, inc. come a plac dis-ANAZION WEEK, AND 1, 1927 MARRIE STORE & CASTISSES, MARRIED TO SUPPLIES AND DESCRIPTION OF THE PERSON OF TH "TOTAL ST. To Company of the P. PERSONAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN PROPERTY.

PARTIES DESPAIN THE SHIPS B. MAKE COST. DE AFRICA. -THE PERSON NAMED IN COLUMN

PERSONAL PROPERTY OF LABOUR AMADES DESCRIPTION COMP THE PARTY OF THE P TARREST PROPERTY AND SAME ASSESSED COLUMNIA. Army Lasty As-

Feder Learn To Section 140 PERSONAL PROPERTY COMP.

> WEST-STREET, ST. THE STREET, SHE ... Carlo State and

ARE YOU LOOKING FOR

DIVERSITY You can work in those fields

ure Beckik Mater

A STREET STREET

box from Col. Joe Duckernft. I next typications to many, many astrony. other two teed to Do- and Dout's of prick.
With sading you concern and depeting difference of the civil matter sadios size. I support help that sender of the local series of the local series of the local series of the local series of the local series. thost the state, believed a Let me find Alliar World War JI I boud sed and so much short card arction and the popular

tivel had, and both to vori, so for a short Fresh and Daring

Today we no backing at a repeat of his ser. At lens there believely remediates tree to personal union as charge. Was not mapped upontous and entateween

Description on additional number of prison one may believely county of and within

I say the odes of a one man or etility, belocorer to a matter back, and it and, not All print as if a farmer as the Notice lands can afford a behouse whe as blasse yes one set order the writing telests of

Easy On Freight Separating the relational in Robots 11co.

New Design Trends for

## Harvey Aluminum Extrusions

Potential for new

configurations and applications ats (flustrated before The during possibilities for abstraction covering researce, high strength, and a cobustly extrative properties. Electry a traditional for high quality and service

#### Horsey Aluminum

Hansy's completely integrated displayes to-lode a large

shood in lengths up to 80 feet, sweglung in much in 2,900

INTERBALLY STRYPINGS DOOR PARKS II



Develop a declar adequated problem of problem straders; problem to all other and over End and less attention. Indice

# ALLISON POWERS



LLISON Prop-Jets and Turbo-Jets

